

WHAT IS CLAIMED IS:

1. Process for preparing colourless dibenzylamine having a colour number of less than 100 Hazen, comprising adding an additive selected from the group of ammonium chlorides and / or amines to the dibenzylamine to be purified and distilling the resulting mixture.
2. Process according to Claim 1, characterized in that the ammonium chloride corresponds to the following formula:

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where

15 R^1 , R^2 and R^3 are each independently H or an organic radical,

which is a C₁-C₆-aliphatic or benzyl radical.

3. Process according to Claim 1, characterized in that the ammonium chloride is benzyl chloride, a hydrochloride, ammonium chloride or its related compounds or aqueous or anhydrous hydrochloric acid, or a mixture of benzyl-/dibenzylamine hydrochlorides.
4. Process according to Claim 1, characterized in that the amine has a higher boiling point than dibenzylamine.
5. Process according to Claim 1, characterized in that the amine is tetraethylenepentamine or distillation residues of tetraethylenepentamine, hexaethyleneheptamine or distillation residues of hexaethyleneheptamine, pentaethylenehexamine or distillation residues of pentaethylenehexamine.

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6. Process according to Claim 1, characterized in that the amine is a polyamine from the group of reaction products of dichloroethane with ammonia and/or amines or from the group of reaction products of ethylene oxide with ammonia or amines.

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7. Process according to Claim 1, characterized in that the amine corresponds to one of the following formulae (I) or (II):



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where "n" is from 0 to 300,

15 p, q, s and t are each independently 1 and/or 2, and

r is 0 or 1, wherein nitrogen is in each case triply, or quadruply (ammonium salt) bonded,

20 where the amine is optionally present as a free amine or as a salt.

8. Process according to Claim 1, characterized in that the additive is added to the dibenzylamine to be purified in a concentration of 0.01 to 15% by weight based on dibenzylamine.

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9. Process according to Claim 1, characterized in that the distillation of the dibenzylamine to be purified has a bottom temperature of 120 to 220°C, and that the pressure is set at a level effective to boil the mixture under the temperature conditions.

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10. Process according to Claim 1, characterized in that the resulting pure dibenzylamine is stabilized under nitrogen.
11. Process according to Claim 10, characterized in that the pure dibenzylamine is stabilized by adding aqueous or anhydrous hydrazine or aqueous or anhydrous hydroxylamine.
12. Process according to Claim 11, characterized in that the hydrazine or the hydroxylamine is added to the pure, light-coloured dibenzylamine individually or as a mixture in concentrations of 0.01 to 10% by weight.